

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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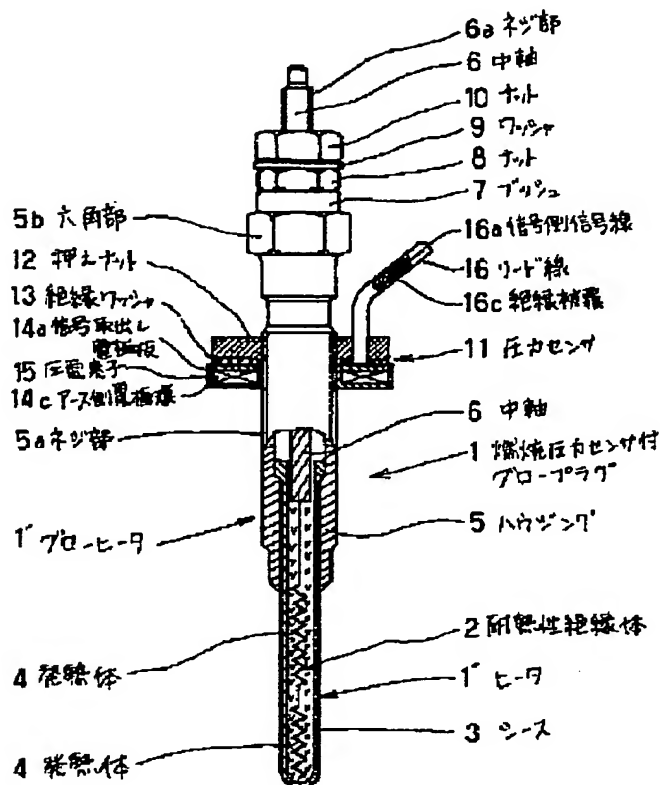
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APPLICANT : NIPPONDENSO CO LTD;

INVENTOR : SHIBAYAMA SUSUMU;

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TITLE : GLOW PLUG WITH COMBUSTION  
PRESSURE SENSOR



ABSTRACT : PURPOSE: To provide a glow plug having a combustion pressure sensor in which a precision sensing of combustion pressure can always be stabled without deteriorating the performance of the glow plug itself.

CONSTITUTION: A glow plug has a combustion pressure sensor which is comprised of a glow heater 1' which is constructed by a heater 1'' provided with a heater 4 buried in ceramics, a housing 5 for holding the heater 1'' and voltage transmitting means 3, 5, 6 for transmitting voltage to the heater 1''; and a pressure sensor 11 constructed by a piezo-electric element 15, and output taking-out means 14, 16 for use in taking-out an output from the piezo-electric element 15. The pressure sensor 11 is installed by the installing means 12, 14c which are fitted to an outside part of the glow heater 1' while being fitted to the glow heater 1'.

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